

Lamps for Special Applications Dual Metal Halide Lamps

Description: HIE 250W/C/V/DU/4.5K

Performance Data

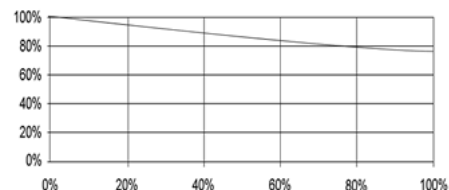
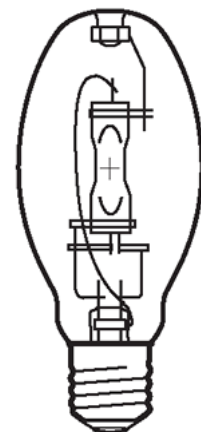
	Mercury	HPS
Rated Light Output (Lumens @ 100 hours)	20000	
Lamp Lumens per Watt (100hrs)	80	
Rated Life (Hrs @ 10Hr./Start)	15000	
Correlated Colour Temperature (K)	4500	
Chromaticity (CIE - X Y)	364,371	
Colour Rendering Index (CRI) or (Ra)	70	
Typical Warm Up Time (Minutes)	3-5	
Typical Hot Restart Time (Minutes)	5-10	
Burning Position	Vertical±15°	
Energy Rating (ErP)	A 275 kWh/1000h	

Physical Data

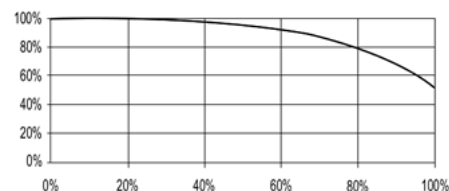
	Mercury	HPS
Base Designation	E40	
Bulb Designation	E90	
Bulb Diameter (mm)	90	
Max. Overall Length (mm)	215	
Light Centre Length (mm)	131	
Max. Base Temperature (°C)	250	
Max. Bulb Temperature (°C)	500	
Luminaire Type	Enclosed	
Socket Pulse Rating (KV)	4.5	
Mercury Content (mg)	25	

Lamp Electrical Data

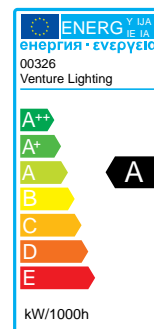
	Mercury	HPS
Nominal Lamp Wattage (W)	250	
Lamp Operating Voltage (V)	130	
Lamp Operating Current (A)	2.2	
Min. Open Circuit Voltage (RMS)	198	
Min. Starting Pulse (Peak V)	600V	
Min. Pulse Width (Microseconds)	260 @540V	
Min. Pulse Rate Per ½ cycle	1	
Pulse Position (Electrical Degrees)	60-90, 240-270	



Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)



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Notes:

This lamp is also compatible with a 3.0-4.5kV ignitor

This Product Specification contains data about typical performance at nominal power. Actual values may depend on ballast and applications. Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives.